

**00546**

1981/04/10





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OFFICE OF THE SECRETARY OF DEFENSE

WASHINGTON D.C. 20301

April 10, 1981

MEMORANDUM FOR B. C. EVANS  
EXECUTIVE SECRETARY  
CENTRAL INTELLIGENCE AGENCY

SUBJECT: Potential Munitions and Commodity Export Cases  
with China.

As part of the ongoing review of U.S. policy with respect to China, DoD has been working with other government agencies to identify various categories of defense-related equipments which are under consideration for provision to China. (C/NF)

It is requested that the appropriate personnel at the Agency review this draft package and provide us comments on:

- a. Chinese need for materials described herein;
- b. the ability of the Chinese to pay for and/or use these materials; and
- c. expected Soviet reaction if the U.S. were to provide any or all of these items.

Any other comments you feel are germane to the general subject of such a relationship with the Chinese would also be appreciated. (C/NF)

A response by 1 May would be appreciated (if that is not reasonable, please let me know). (U)

H. Rixse  
The Special Assistant

Attachment

DECLASSIFIED BY AUTHORITY OF  
CDD

~~CONFIDENTIAL/NOFORN~~

DATE

CASE #

Spec Asst

9 APR 1987

SEC DEF CONTR No.

X13803



FOR OFFICIAL USE ONLY

PREC REVISIONS CASES REFUSED TO DOB SINCE 1 JANUARY 1968

AS OF 1 MARCH 1961

Total of 104 Cases referred to DOB by Office of Munitions Control, Department of State

Current Status Summary:

-DOB-

8 Pending 1 (6 Objections, 33 Rejections, 33 Withdrawals,  
94 Closed 8 Retained without Action (RWA)

-OAC-

20 Pending 1 (14 Approved, 30 Disapproved, 33 RWA)  
84 Closed

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Number Code

Case Code

FOR OFFICIAL USE ONLY

DOB Strong PRC Interest  
Case PRC Interest, although  
not entering into action  
Under D-1-6 Effort by  
to locate

1 100 Pending by  
for DOB  
1 100 Pending by  
for DOB  
5 100 Pending by  
for DOB  
4 100 Pending by  
for DOB  
NO 100 Pending by  
for DOB  
1 100 Pending by  
for DOB



DATE	COMPANY	DESCRIPTION	STATUS	DATE	STATUS
10/18/74	B-Systems, Inc.	Ad/Type-24, Ad/Type-41, Ad/Type-41, Ad/Type-15A	Closed - No Objection	4 Sep 80	Approved
10/23/74	Littion Systems, Inc.	LTV-31/310 System Test Station	Closed - No Objection	15 Apr 80	Disapproved
10/23/74	RTI/DOE, Inc.	RTI/DOE Countermeasures "Black Box" (C-130), etc.	Closed - No Objection	19 Jun 80	Approved
10/25/74	Lockheed Aircraft Corp.	EA-7B-110M for Cargo and Group Carriers C-130M	Closed - No objection	19 Jun 80	Approved
10/26/74	Quincyair Tire & Rubber Co.	Terrain Imaging Radar System for Earth Reconnaissance Studies	Closed - Withdrawn by Applicant	None	None
10/27/74	Hughes Helicopter	500MD Helicopter	Closed - No objection	5 Jun 80	None
10/28/74	Apollon	Telecomm Gear	Closed - Withdrawn by OMC	10 Jul 80	Disapproved
10/29/74	Varco	40mm Jet Generation Module	Closed - Withdrawn by OMC	10 Jun 80	Disapproved
10/30/74	Boeing	Aircraft & Helicopter Maintenance Manual	Closed - Withdrawn by OMC	20 Apr 80	None
10/31/74	Boeing	20 System for M40	Closed - Withdrawn by OMC	10 Jun 80	Disapproved



# REPORT OF TRANSMISSION DATA FOR SALES PROMOTION (SEP-3 1955) Cont'd

CRG NO.	DATE OFFERED	COMPANY	DESCRIPTION	COM CARRIER/STATUS BY/REASON	COM CARRIER/STATUS BY/REASON
107717	30 Apr 50	General Dynamics	Ground Surveillance Radar	Closed - No Objection	Approved 4 Sep 50
108645	6 May 50	Tidewater	WTA Field Protective Mask	Closed - Withdrawn by COM	Disapproved 10 Jun 50
108703	6 May 50	Loar Slinger, Inc.	DM-10 Mill Missile Velocity Radar Set	Closed - Withdrawn by COM	Disapproved 10 Jun 50
109003	12 May 50	General Signal Corp.	Tech. Data for Alert M-11A/6 Tactical Transportable Air Surveillance Radar System	Closed - No Objection	Approved 4 Sep 50
109726	13 May 50	GTS (Glynco)	Brochure: Precision Automated Tracking System	Closed - Withdrawn by COM	NA 10 Jun 50
109645	23 May 50	D-Systems, Inc.	Tech. Data: AM/7700-76 and AM/800-15A (TNCAR SEACOR SET)	Closed - No Objection	Approved 4 Sep 50
111499	13 Jun 50	Raytheon Aircraft Co.	Tech. Data: Technical Description Automated Airspace Control System	Closed - No Objection	Approved 10 Jun 50
113760	22 Jul 50	Singer Co.	Tech. Data: C-130 Instrument Flight Simulator	Closed - No Objection	Approved
113870	16 Jul 50	D-Systems, Inc.	DA Manual: Operator and Maintenance of Radio AM/7700-76 and others	Closed - No Objection	Approved 27 Jun 51
115377	7 Aug 50	Tough Corp.	Brochure: Beam Planning Radio Beam Launch Vehicle System	Closed - NA	NA 27 Aug 50
116743	26 Aug 50	McDonnell Douglas	Technical Data - Spectrometer Eye	Closed - NA	NA - 24 Sep

PAGE



YEAR

REPORT OF TECHNICAL DATA FOR SALES PROPOSITION (PAGE 2 (CONTINUED))

CLASS NO.	DATE SUBMITTED	COMPANY	DESCRIPTION	COMMITMENT STATUS/REMARKS	COMMITMENT STATUS/REMARKS
117402		Goodman	Yacht Propulsion South American Under Closed - No objection	Pending	Pending
118700	22 Sep 60	Goodman/Optional	Cal Product Information	Closed - No objection	Pending
118712	22 Sep 60	Goodman Aircraft Corp	8-7C Bombers Database	Closed - No	Pending
119405	3 Oct 60	Goodman/Optional	Structure: 88-1000 Camera	Closed - No objection	Pending
119406	6 Oct 60	International Armament Corp	8-10 A1 Automatic Rifle	Closed - Withdrawn By State	With - 8 Oct 60
121772	20 Nov 60	General Dynamics	OB Document F14 6930, 1 Aug 60, 81AC-2 Long Range Photographic Camera System	Closed - No objection	Pending
121700	24 Nov 60	Verde, Inc	Obm 1st Generation Database	Closed - Withdrawn By OMC	Disapproved - 9 Jan 61
124144	3 Dec 60	Slaper Company	FTO. Lightweight Supplier Navigation System	Open - under review	Pending
124207	3 Dec 60	Applia Vortex Div	Tech Data - Aircraft Data Acquisition & Ground Data Reduction Facility System	Open - under review	Pending
124208	7 Jan 61	Computer Systems	Statement of Qualifications of OMC to support the development of automated facilities systems	Open - under review	Pending
127024	13 Jan 61	Bellum	Antenna, Ant/ant-132 (1270)	Open - under review	Pending
129340	3 Feb 61	Goodman Aircraft Corp	Coastal Citation Model 150 Aircraft	Closed - No objection	Pending



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TEMPORARY REPORT OF EQUIPMENT FOR MARITIME DEMONSTRATION (SEP-7) - L100000

CARGO NO.	DATE RECEIVED	COMPANY	DESCRIPTION	OAS CURRENT/STATUS STATUS/DESCRIPTION		OAS CURRENT STATUS STATUS/DESCRIPTION
P-17070	19 Feb 68	B-Systems, Inc.	AM/PAC-77 Radio Set	Closed - No Objection		Approved 3 June 68
P-17102	19 Feb 68	Hughes Company	AM/CEC-7A Facsimile Transceiver	Closed - No Objection		Approved 14 June 68
P-17249	14 Mar 68	Bartwell International	AM/ABC-104 Transceiver, AM/ABC-118 TACAM, AM/ABC-118 DME, CMC 68	Closed - No Objection		Approved 29 June 68
P-17304	27 Mar 68	Bartwell International	630-1 Receiver/Transmitter/ ABC-102	Closed - No Objection		Approved 24 June 68
P-17391	30 Mar 68	Bartwell International	AM/ABC-119(V)UHF All-Mode Transceiver	Closed - No Objection		Approved 11 July 68
P-17448	21 Apr 68	Liton	LTW-224C VHS	Closed - Withdrawn by OAS		Disapproved 18 June 68
P-17707	2 May 68	Service Technology, Inc.	Attempted to perform, Antenna, 2 all-ports, Antenna, Training Aid, 3mm slides showing the Antenna	Closed - No Objection		Disapproved 23 May 68
P-17708	Aug 68	Bell Helicopter	Bell Model 3187 Helicopter in commercial configuration with the 48 P-100/TIC engine installed & spare parts & tools to support the 3187	Closed - No Objection		Approved 3 June 68
P-17807	14 May 68	Bartwell	AM/ABC-102 DME 611	Closed - No Objection		Approved 13 Sep 68
P-17814	14 May 68	Telephon, Inc.	W1001 Doppler Navigation System	Closed - No Objection		Disapproved 18 June 68

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TEMPORARY REPORT OF EQUIPMENT FOR TESTING DEMONSTRATION (MRP-2) - (U) (CLASS)

CLASS NO.	DATE ACQUIRED	COMPLBY	DESCRIPTION	CUSTOMER/REAL STATUS/POSITION	ONE CUSTODIAN STATUS DISPOSAL
Y-17045	20 May 60	Magnum	PT-114/ARC-144 UHF Panel Level Radio, CA-4175 VHF Panel Mount Radio, PT-1145/ARC-144 UHF Remote Radio	Closed - No Objection	Approved 31 Jul 60
Y-17046	20 May 60	Magnum	AA/PAC-68 Radio Set with Short Antenna, YB-335/PAC-68 Test Set Battery Charger - for Michel-Cadmus Battery, and Technical Manual	Closed - No Objection	Approved 31 Jul 60
Y-17043	27 May 60	B-Systems, Inc.	AA/TM-41 TACAM Navigation Set	Closed - No Objection	April 24 Nov 60
Y-17933	29 May 60	General Dynamics	Lightweight Ground Surveillance Radar	Closed - No Objection	Approved 4 Sep 60
Y-18037	37 Jun 60	Littom	Interactive Display Terminal (IDT) Closed - No Objection	Closed - No Objection	April 3 Nov 60
Y-18143	3 Jul 60	Withins-Johnson	RF Receiver	Closed - No Objection	April 30 Nov 60
Y-18703	9 Jul 60	Republic Electronics Ind.	SEES-100 Radar Electromagnetic Environment Simulator	Closed - Withdrawn by Applicant	NA 16 Aug 60
Y-18764	16 Jul 60	Taiwan	Doppler NAV System CP-125 & Computer Display	Closed - No Objection	April 13 Nov 60
Y-18269	23 Jul 60	Tracor	ALB-40 Countermeasures Dispensing System	Closed - NA	NA 25 Aug 60
Y-18337		Slide	Night Vision Devices	Closed - Withdrawn by OMC	NA 28 Jul 60

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FORM

TEMPORARY LIST OF EQUIPMENT FOR RECEIVING DEMONSTRATION (SEP-72 - LICENSES)

CASE NO.	DATE RECEIVED	COMPANY	DESCRIPTION	CLASSIFICATION STATUS/Disposal	CLASSIFICATION STATUS/Disposal
Y-18715	22 Aug 68	Ad General Corp.	Truck, 1/4 Ton, M35 104mm	Closed - No Objection	Rev. 24 Nov 68
Y-18717	17 Sep 68	Tractor	Ad/ALS-40 Countermeasures Display System; UOC-179 Teletypewriter Set; M4-600 Magnetic Tape Console; Model 8000 Piled Record Communication Terminal; MC-33/MC-34 BMC	Closed - Partial objection - 5 Mar 61	Pending
Y-18774	22 Sep 68	Varo	Model 9043 Night Observation Device	Closed - Withdrawn by CMC	Discontinued
Y-18775	22 Sep 68	Varo	Model 9045 Starlight Scope	Closed - Withdrawn by CMC	Discontinued - Oct 68
Y-18953	17 Oct 68	Gates Learjet Corp	Gates Learjet 35A	Closed - RMA	Pending
Y-19337	4 Dec 68	Emphas Aircraft	Ad/PAC-104 or MC-131 888 RD Radion	Closed - No Objection	Appl - 6 Feb 61
Y-19395	13 Dec 68	Span International Inc	Auto Surveyed System	Open	Pending
Y-19399	12 Feb 61	General Dynamics	PD-11/16 Microcomputer System	Open	Pending

FORM



FOUO  
ADJUTANT GENERAL'S OFFICE  
ADJUTANT GENERAL'S OFFICE OF EQUIPMENT

Case No	Date of Receipt	Company	Description	Initial Status/ Disposition	Final Status/ Disposition
QC-4313	11 Jan 80	Bedden Simulation, Inc.	822 Computer Generated Signal System for Flight Simulation (Component for MARSIM Flight Trainer)	Closed - No Objection	EMA 3 Jan 80
QC-4314	20 Feb 80	American Electronic Lab	FM Systems (Including Carrier Based Spiral Antenna)	Closed - No Objection	Approved 4 Jun 80
QC-4314	19 Feb 80	Emerson Electric	Pressure Transducers	Closed - No Objection	Approved 4 Jun 80
QC-4317	25 Feb 80	Teladyne Systems Inc.	AM/ADM-123 Tactical Navigation Set for AM Helicopters	Closed - Withdrawn by OMC	EMA 14 Jul 80
QC-4321	25 Feb 80	Boeing Corp.	CM-47 Chinook Helicopter	Closed - No Objection	Approved 10 May 80
QC-4333	19 Feb 80	Gulf & Western Inc.	Small Caliber Ammo Manufacturing	Closed - No Objection	EMA 3 Mar 80
QC-4342	19 Feb 80	Bethlehem, Inc.	Service Communications Equipment for Embassy	Closed - No Objection	EMA 18 Apr 80
QC-4355	1 Mar 80	General Electric	Ground Based Radar	Closed - Withdrawn by Applicant	EMA 1 Jan 80
QC-4356	17 Mar 80	Agela Corp.	AM/TC-97 & AM/GSC-201 Tropo- spheric Comm. Systems	Closed - No Objection	Approved 4 Jun 80
QC-4412	24 Mar 80	Westinghouse	TTB-43 Radar	Closed - No Objection	Approved 3 Jan 80
QC-4534	5 Aug 80	Westinghouse	Automated Mobile Operation Center to augment capability of AM/TTB-43P Radar	Closed - Objection re: speed.	Black/Approved 1 Aug 80



# ACQUISITION OF ITEM OR SALE AND EXPORT OF EQUIPMENT

CLASS NO.	DATE	COMPANY	DESCRIPTION	Current Status	Final Disposition
OC-44318	22 Dec 60	Westinghouse	AN/TPS-63 Radar	Open	Pending
OC-44319	22 Dec 60	Westinghouse	AN/TPS-63 Radar	Open	Pending
OC-44320	4 Apr 60	Patheco 116	Mobile Tactical Reconnaissance Facility & Long Range Aerial Photograph System	Closed - No Objection	Approved 4 Sep 60
OC-44321	8 Apr 60	FMC Corp.	W-4822 Cargo Carriers & M113A2 Filter Recovery Vehicles	Closed - Withdrawn by OMC	Disapproved 9 Jun 60
OC-44322	9 Apr 60	C-Tech International, Inc.	M-911 Truck Tractors	Closed - No Objection	Approved 2 Jun 60
OC-44323	18 Apr 60	Telodyne	Engines for Agrolift of Military Vehicles	Closed - Withdrawn by OMC	Disapproved 9 Jun 60
OC-44324	18 Apr 60	LTV	SCOUT Launch Vehicle	Closed - Withdrawn by Applicant	Disapproved 9 May 60
OC-44325	23 Apr 60	Union	LA-33 Jet for F-7 (M18) and F-9 (Falcon-4 Twin Engine Fighter Bomber)	Closed - Withdrawn by OMC	Disapproved 6 Jun 60
OC-44326	3 Jun 60	Bumma Corp.	Beghos 5000 Helicopter	Closed - No Objection	Disapproved 3 Jun 60
OC-44327	4 Jun 60	Telodyne	Cosmo Citation aircraft as flying atomic laboratories	Closed - No Objection	Approved 20 Nov 60
OC-44328	13 Jun 60	Yardway Electric Corp.	1000 Silver-line Storage Batteries used on M18 aircraft	Closed - No Objection	Disapproved 5 Sep 60

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# ANNUAL REPORT ON SALE AND EXPORT OF EQUIPMENT

DATE NO. 100	DATE ACTIVITY	COMPANY	DESCRIPTION	STATUS/REMARKS	DATE ACTIVITY
OC-4001	17 Jan 60	Bach Laboratories	Anti-aircraft cannon, turret and fire control system	Closed - Withdrawn by OMC	Disapproved 21 Jan 60
OC-4904	4 Jul 60	Emerson	Sale and export of Aircraft equipment	Closed - No Objection	Approved 23 Dec 60
OC-4912	4 Jul 60	Lockheed	C-130A	Closed - No Objection	Approved 31 Jul 60
OC-4914	4 Jul 60	Boeing	M8-20 Aircraft Defense Radar	Closed - No Objection	Approved 24 Dec 60
OC-4916	24 Jul 60	Boeing	737-200 Troop Transport	Closed - No Objection	Approved 3 Dec 60
OC-4949	29 Jul 60	Bo-Cell-O	Modernize their current inventory of tanks	Closed - Withdrawn by OMC	Disapproved 8 Aug 60
OC-4970	16 Jul 60	Bo-Cell-O	V-150 Armored Cars	Closed - Withdrawn by OMC	Disapproved 17 Aug 60
OC-5015	7 Aug 60	Singer Co.	Discussions on Dome Projection System	Closed - No Objection	Pending
OC-5034	17 Aug 60	Westinghouse	Tech Data on Spaceborne Meteorological Sensors/Technology	Closed - Objection	Pending
OC-5040	21 Aug 60	Lehr Siegler	Sale and export of Attitude Heading Reference Systems to provide tactical fighter aircraft	Closed - Withdrawn	Disapproved 10 Sep 60
OC-5049	21 Aug 60	Tecon	Sale and export of multiple Integrated Laser Equipment System (MILES), training equipment	Closed - No Objection	Disapproved 4 Dec 60



ADDITIONAL DISPOSITION OF SALS AND EXPORT OF EQUIPMENT (Cont'd)

Case No.	Date	Company	Description	Disposition	Disposition
EC-3045	27 Aug 80	Zenith	Versatile 3000 Plotter/Printer	Closed - no objection	Pending
EC-3181	9 Sep 80	LTV (Tramont Corp)	Structure, Scout Launch Vehicle System, Jan 80	Closed - BNA	BNA
EC-3187		Teladyne	Model TCB-118-2 Camera	Closed - Withdrawn	Disapproved - 17 Oct 80
EC-3190	19 Oct 80	MCA	Range Instrumentation Radar Equipment	Closed - Withdrawn by OMC	Disapproved Oct 80
EC-3182	18 Oct 80	Raytheon Co.	AR/TC-178 Digital Transceiver Communications system	Closed - objection	Disapproved 31 Jan 81
EC-3186	8 Oct 80	Westinghouse	Range measurement & Treatment Facility	Closed - Withdrawn by OMC	Disapproved Oct 80
EC-3215	17 Oct 80	Littell Systems	LA-33 IIR	Closed - Withdrawn by State	Disapproved 4 Nov 80
EC-3223	18 Nov 80	Electronic Memories	Millitised M14-computers	Closed - BNA	BNA - 3 Mar 81
EC-3246	3 Nov 80	PMC Corp.	M568 Cargo Carriers	Closed - no objection	Pending
EC-3247	3 Nov 80	PMC Corp.	Armored Infantry Fighting Vehicle	Closed - Withdrawn	BNA
EC-3248	3 Nov 80	PMC Corp.	M113A2 Armored Personnel Carriers	Closed - Withdrawn	BNA
EC-3263	15 Jan 81	Leas Slogler, Inc	Target Borne Autopilots	Closed - Withdrawn	Disapproved 2 Mar 81



PRC Dual-Use Export Cases Referred to DoD by Commerce  
Department

Unlike the procedures which govern Munitions Control, the request for a license under the Export Administration Regulations constitutes a request for authorization to ship the item, not to negotiate the sale. The exporter has already negotiated with the ultimate consignee and has a contract in hand. Except for the few cases wherein the applicant has requested an advisory opinion, there is an "order" already in hand which the export will fill.

Therefore while only some of the cases listed herein fall within the purview of the 4 September list, all but the first case listed are for items that an element or Ministry of the PRC has requested. Therefore the items in question are not "hunting" expeditions by U.S. industry.

It is also necessary to point out that Group 2 of the 4 September list relates to a line of Honeywell and Digital Equipment (DEC) computers plus a level of disc drives. The specific DEC computer listed is a militarized version of the very popular PDP 11/34. This system is not manufactured by DEC, but by the Mordin Division of United Technologies.



However the non-militarized version by DEC and computers of comparable or higher performance by other mainframe manufacturers were considered to be included or at least implied under Group 2.

James J. Hower  
CAPT., USN  
Assistant Director  
for Technology Trade



10-23  
 PRC Dual-Use-Export Cases Refers to DoD by ( ) under P. attached  
 While appropriate Group and Category from 1 Sept 9 October 1980  
 List are cited. NA means not applicable to 4  
 Sept list.

STC NO.	VALUE	COMPANY	COMMODITY	REMARKS
None Advisory Opinion OC 6164	None (No stated cost value)	McDonnell Douglas	DC-9-80 licensed production- basic policy involved, advice and guidance requested. (Joint cooperation in commercial transport aircraft production)	Approval in principle 31 Jan 80
NA 387592 391799 OC 6166	\$ 26,000	GTE Sylvania	Demo of voice digitizer	Approval with provision 17 Jan 80
NA 393566 OC 6172	\$ 500,000	McDonnell Douglas Corp.	Specially designed parts and accessories for use in manufacture of aircraft	Approval 7 Feb 80
NA 397920 OC 6180	\$ 6,517	Mediate Corp.	MYCAM Optical Heads	Approval - 6 Mar 80
Group 1 373421 373438 OC 6138 373411 OC 6138 S.1 Ad A	\$ 3,009,000 (price included in back-buy of finished IC)	MUSTER Corp.	Establishment of a facility to manufacture ICs	Approval with provision 22 May 80 ✓



OTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
401637	Tech Data	Bell Helicopter	Components, accessories and TD for assembly of helicopters	Approval 1 May 80
411261	Tech Data			
401638	\$ 10,000,000			
401631	\$ 20,000,000			
OC 6188				
366763	Value not given	E.I. DuPont DeMours & Co.	Technology to manufacture Chromium Dioxide Magnetic Tape	Denial - 10 Apr 80
NA OC 6184				
400221	\$ 100,000	McDonnell Douglas Corp	CNC Units for Multi-Axes Machines, Actrlon III	Approval - 2 Axes Denial - 5 Axes 10 Apr 80
NA OC 6185				
372915	\$ 1,503,252	Geosport Inc.	20 Seismic Data Processing Systems with Array Processors and graphic display and plotting systems	No objection with provisions - 10 Apr 80 Still working out details with CDC with respect to irreversibility.
372917	\$ 4,415,856			
372920	\$ 7,273,971			
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428752	\$ 1,425,582	IBM World Trade Corp.	One IBM 4331 computer and one IBM 2580 distributed data system	Approval of tape, but denial of disc pack until RMC identity and use/users - 24 Apr 80 No objection subject to conditions. 15 May 80
OC 6192				



DTN NO.	VALUE	COMPANY	COMMODITY	REMARKS
197446 OC 6175	\$ 4,000,000	Asiath Industrial Co.	IC Disc	Approval - 22 May 80
420368 OC 6195	\$ 443,345	Geometrics Inc.	Computer System for Uranium Exploration	Approval with provision 7 August 1980
433829 433843 OC 6203	\$ 10,679.54 26,936.00	Westinghouse Electric Co.	4 Area CMC Unit, respoort from UK	PRC List - 7 August 1980 <i>Series</i>
433843 OC 6193	\$ 2,305,407	Burroughs Corp.	Burroughs B6810 Computer system for UM-Sponsored Information processing and training center	Approved - 7 August 80

DTN NO.

197446

OC 6175

420368

OC 6195

433829

433843

OC 6203

433843

OC 6193



OC DOCUMENTS

BTE NO.	VALUE	COMPANY	COMMODITY	REMARKS
411759 OC 6186	\$ 40,000	General Electric	4 Area CMC Units, G.E. 1050 MC, temporary export	<i>Delayed</i>
411759 OC 6197	\$ 480,497	Schlumberger Tech Corporation	Temporary export of a DEC/VAX 11/780	Awaiting clarifying Statements from applicant <i>Delayed</i>
No case 411759 OC 6201	\$ n/a	Digicon Inc.	Advisory Opinion on proposed export of DEC VAX 11/780 computer system for seismic processing	Deferred subject to safeguards issue being developed for Western Geophysical - 3 Aug 80 <i>Delayed</i>
OC 6208 411759 OC 6212 336465	\$82,723.112 \$15,210.00	Western Geo- physical Co. of America  Digital Equipment Corp.	IBM 3033 computer for oil exploration  Reexport to Japan - VRI7 graphic display with VRI1 controller, request for advice and guidance	US-owned and operated <i>Delayed</i> <i>Delayed</i>



QTR NO:

338465

OC 6212

VALUE

8 15,210.00

COMPANY

Digital  
Equipment  
Corp.

OC DOCUMENTS

COMMODITY

Reexport from Japan - VR17  
graphic display with VTII  
controller, request for advice  
and guidance

82,371,992.00 Sperry World  
Trade

Loan of Univac 1100/11 computer  
system for "Joint Project" and  
maintenance training of PAC  
Personnel

REMARKS

Approved for reexport  
by the State Dept.

Approved



# TECHNICAL DATA

REF NO.	VALUE	COMPANY	COMMODITY	REMARKS
PA 206491	No stated cost value	United Technologies Corporation	Tech Data for manufacture of selected components of Pratt and Whitney of Canada PT6T-6 turbo shaft aeroengine	No objection as long as release is limited to PT6T-6 engine as requested - 6 Mar 80
PA 407117	\$159,000,000	Aluminum Co. of America	Tech Data, construction, operation, 3 aluminum smelters, Alcoa 697 pot cell design including ancillary facilities	No objection 25 Feb 80
PA 408742	\$ 2,000,000	Union Oil Co. of California	Tech Data - Design, construction and operation of uncracking hydrocracking unit	No objection 3 Jan 80
PA 413024	\$ 5,000,000 (Est)	Asa Budget	Tech Data - Engineering design, construction, operation and maintenance of plant to hydro treat naphthalene and produce phthalic anhydride from desulfurized naphthalene	No objection
PA 413183	\$159,000,000	Aluminum Co. of America	Tech Data - Bauxite and Limestone mine and an alumina refinery plant	No objection 11 Apr 80
PA-413612	\$ 1,000,000	Union Carbide Corp	TD for purification of hydrogen using pressure swing absorption system	No objection 18 March 80



REMARKS

COMMODITY

COMPANY

VALUE

QTR NO

No objection  
7 Apr 80

Tech Data - construction  
operation and maintenance of  
gas purification plant for  
removal of acid gases.

Allied Chemical  
Corp.

\$ 212,000

420112

No objection  
9 Apr 80

Tech Data - Manufacturing drawings,  
design, procedures, manuals, specs,  
training, production of industrial  
and commercial electrical power  
shunt capacitors

McGraw-Hill Co.

\$ 315,000  
(approx)

420903

No objection  
19 Mar 80

Tech Data for production of acrylic  
emulsion polymers

Rohm & Haas Co.

\$ not yet  
negotiated

421801

No objection  
21 May 80

Tech Data - Construction of  
structural components of off-highway  
trucks in 120 and 170 tons capacity  
and final assembly

WABCO Construction  
and Mining Group

\$ not yet  
negotiated

421800

No objection  
29 April 80

Manufacturing drawings, specs, and  
test data relating to heavy machinery  
portion of Sperry Gyrofin Ship  
Stabilizer

Sperry Corp.

\$ 25,000  
(Reproduction  
cost of drawings)

420750

No objection  
7 Apr 80

Tech Data - geophysical data  
offshore including maps

Shell Development  
Company

\$ 6,000,000

424314

424315

424316

424317

424318,19



CTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
NA 414745	\$ 50,000	Bentfield Corp.	Tech Data for removing carbon dioxide/hydrogen sulfide from synthels gas	No objection - 21 Feb 60
NA 414903	\$ not applicable	Cocoa Cola Co.	Tech Data for construction of a facility to produce Coca Cola	No objection - 24 Jun 60
NA 415628	\$ 320,000 plus royalties	Rosemount Inc.	Tech Data for production of Model 1151 electronics pressure transmitters	No objection to release of basic tech data 14 Apr 60
NA 416789	\$ not stated	Singer Co.	Know-how technical info and tech data for assembly and manufacture of household sewing machines	No objection - 4 Mar 60
NA 416953	\$ not applicable	Allie Chalmers Corporation	Blueprints, mechanical drawings, and material specs for proposed package for tractor parts	No objection - 13 Mar 60
NA 418443	\$ 700,000	Davy McKee Corp.	Tech Data feasibility study for expansion of Chiao and Hsueh gold and silver mines, beneficiation plants and recovery plants	No objection - 14 Feb 60
NA 418998	\$ 4,000,000	American Cyanamid Company	Tech Data - Titanium dioxide plant and waste treatment plant	No objection - 22 Apr 60
NA 417838	\$ 850,000	G.E.	Drawings, Specs, assembly, test	No objection - 30 Jun 60



QTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
NA 410157	\$ 25	Sperry Corp	Specs and drawings related to a Sperry MR37 and Mod 1	No objection - 7 Jul 40
NA 420944	\$ 3,000,000	G.E.	Drawings, Specs, assembly, tests and training related to assembly of black and white TV receivers and chassis	No objection - 3 Jul 40
NA 432476	100,000	Sperry Corp.	Drawings, Process sheets, Specs, quality control and test procedures relating to production of a series of industrial hydraulic control valves	No objection - 17 Jul 40
NA 417950	\$ no cost value	Sperry Corp.	Request for quotation for manuf. of small vessel autopilot Sperry Model 8T	No objection - 10 Jul 40
NA 440263	\$ no stated	Garrett Corp.	Request for quotation to manuf parts in PRC on environmental control systems on Boeing 707, 737, 474, 767 model aircraft	No objection - 31 July 40
NA 445275	\$ not applicable	Xerox Corp.	Set of drawings for Xerox Model 3300 copying machines	No objection - 11 Aug 40
NA 506350	\$ n/a	Hughes Tool Co.	Drawings, specs to produce core type rock bits	No objection - 28 Aug 40



BTR NO.	VALUE	COMPANY	TECHNICAL DATA CASES	COMMODITY	REMARKS
432476	\$ 300,000	Sperry Corp.	Manufacturing drawings, process sheets, etc, industrial hydraulic control		No objection - 10 July 60
440528	\$ 5,308,000	WEAM United Inc.	TD to galvanizing line, coil painting line and roll forming line associated with cold rolling mill steel plant		Received 13 Aug 60 No objection - 6 September 60
501627	\$22,500,000 Plus royalties	Hughes Tool Co.	Know-how, info, tech assistance and training production and use of oil field rock bits		Received 30 July 60 Comparable to Dresser case for USSA Received 6/7/60 Closed by Dr. Garling
506358	\$ n/a Royalties to be paid	Hughes Tool Co.	Drawings, specs to produce cone type rock bits		



STR NO.	VALUE	COMPANY	COMMODITY	REMARKS
384923 W-1372 <i>for 10/10/80</i>	\$ 229,640	Danematsu-Gosho Inc. (USA)	Manufacturing equipment for ICs	Deny Kasper Model 2101 Approve PMS 500 30 Jan 80
404739 W-1372 <i>for 10/10/80</i>	\$ 4,565	Hewlett Packard	Scope and Probe	No objection - 10 Mar 80
405921 407062 W-1362 <i>for 10/10/80</i>	\$ 108,125 198,960	Laser Analytics Inc.	Laser source spectrometers	No objection from technological standpoint, can for USSR should be reviewed after redefinition of procedures 10 Mar 80
408804 W-1371 <i>for 10/10/80</i>	\$ 15,000	IBM Corp.	Scope	No objection - 7 Feb 80
409790 W-1378 <i>for 10/10/80</i>	\$ 71,680	Keithley Instruments Inc.	Digital Multimeter	No objection - 14 Feb 80
407104 (Roe) 417563 (PRC) W-1382 <i>for 10/10/80</i>	\$ 96,105 31,739	Geometrice Inc.	Magnetometer	No objection - 17 Apr 80
413497 W-1384 <i>for 10/10/80</i>	\$ 41,200	Burleigh Instru.	Demo of PCL Laser	No objection - 13 Mar 80



BTM NO.	VALUE	COMPANY	COMMODITY	REMARKS
416803	26,008.98	Fluke Int'l Corp	Digital Voltmeters	No objection - 15 May 40
416804	4,013.70			
416805	10,760.65			
416223	2,227.00			
416224	4,950.05			
416228	8,714.20			
416229	4,430.00			
416230	9,409.50			
416231	7,175.00			
416232	3,709.40			
416233	3,983.95			
417301	8,514.45			
417575	10,140.50			
417576	26,066.10			
420092	10,500.00			
W-1385				
419335			Radiometer System	No objection - 15 May 40
NA W-1387				
427021			Communications Service Monitor	No objection - 9 Apr 40
NA W-1391				
423949			Demo of Eltex V Alpha Telex Exchange	No objection - 16 May 40
NA W-1389P				
405591			Marine Selsamc Streamer Cable and related hydrophones	No objection - 16 May 40
NA W-1388				

*Handwritten note:*  
 of these (1 hour) 3 or 6  
 from group 3 or 6



DATE	ITEM NO.	VALUE	COMPANY	COMMODITY	REMARKS
12/1/77	424915 W-1406P	\$ 435,250	IBM World Trade Corp.	Export of IBM 370/138 Computer System	No objection with proviso - 13 Jun 80
12/1/77	433168 W-1400	\$ 11,160	Hewlett-Packard	Microwave TWT amplifiers	No objection - 29 May 80
12/1/77	395944 W-1402P	\$ 182,300	Digital Equipment Corp.	Reexport from Hong Kong - PDP 11/34 computer system with R101 disc drive and UR 17 graphic display	Approved POP 11/14 denied graphic display 30 Jun 80
12/1/77	420114 W-1405	\$ 107,554	DEC Geometrics Division	Magnetometer Systems	Approved - 25 Jun 80
12/1/77	433559 W-1407	\$ 10,480	RCA	Photomultiplier Tubes	Approved - 21 May 80
12/1/77	437929 W-1418	\$ 28,000	Hewlett-Packard	Cesium Beam Frequency	Approved - 25 Jun 80
12/1/77	439288 W-1421	\$ 21,000	EG&G	Spectroradiometer System	Approved - 25 Jun 80
12/1/77	443488 W-1431	\$ 16,500	Fluke Int'l	Counter	Approved - 10 Jul 80
12/1/77	406380 W-1380P	\$ 46,120	Hewlett-Packard	Calculator with Frequency	Approved - 10 Jul 80
12/1/77	447136 W-1433	\$ 10,357	RCA	Photomultiplier	Approved - 16 Jul 80

Re: the RCA counter photomultiplier tube  
 24 commercial reasons/feeder generation  
 if my 11 reason type station in Group 11 C & C  
 3 new tubes relate to 74 system and are not  
 really covered under Group 11.



WALVER MEMOS

OTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
353695 AM W-1113	\$ 68,000	General Electric	4 ea. EG 1050 WCL CMC units with parts and accessories	
420630 W-1390P	\$ 5,253,000	MTS Systems Corporation	Aircraft structural loading and Data Acquisition System	No objection 8 October 80
401134 W-1392P	\$ 331,298	Perkin Elmer Computer Systems Div.	Model 8/32 computer system with 300 Mbyte disc drives	
390877 W-1404P	\$ 27,763	Tektronix Inc.	Tektronix Graphic Terminal	
424906 W-1412	\$ 116,812	Hadron Inc.	Holographic Laser Systems	
440964 W-1415P	\$ 15,680	Citation Computer Systems	Intel Microcomputer development system request for advice and guidance	Disputed
434603 W-1416P	\$ 25,000	Acoustic Technology Corp.	Acoustic Embolus Test System	Disputed
415865 W-1424P	\$ 4,000	Cromenco International Inc.	Single card computers	
416959 W-1425P	\$ 45,000	General Telephone & Electronics (GTE)	Proposed demo of a GTD-120 PABX	No objection 1 August 80

*Sample  
not shown in the  
list of 11*



<u>QTR NO.</u>	<u>VALUE</u>	<u>COMPANY</u>	<u>COMMODITY</u>	<u>REMARKS</u>
NA 442915 W-1429	\$ 16,000,000	Douglas Aircraft Corporation	Source tools (Master tools) used in production of the DC-9-80	No objection - 17 September 80
364225 364226 364231 364234 364273 364228 364229 364232 W-1436	\$ none	Geophysical Services	Selismic Exploration	w/cond. 17 September 80
446051 W-1435	\$ 23,156	Fluke Int'l	Callibrator	
435942 W-1441P	\$ 10,000	IBM World Trade	Maintenance device for IBM disc storage	No objection - 8 September 80
443860 W-1444	\$ 167,492	Apollo Laser, Inc.	Ruby Holographic Laser and Camera System	No objection - 8 September 80
W-1449 448066	\$ 11,200	Infrared Assoc. Incorporated	Infrared detector	Additional info requested - 8 September 80

Pump 3  
 Set installed  
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ITEM NO.	VALUE	COMPANY	COMMODITY	REMARKS
431632	\$ 18,420	B&P Sales Corporation	Infrared radiation detection equipment	No objection - 23 September 80
432633	112,175			
W-1447				
502631	\$ 65,000 approx.	Analog Devices	Various converters, etc.	
502632				
502634				
502690				
502700				
W-1452				
429195	\$ 150,750	Systems, Science and Software	G-Beam Laser Systems	
W-1457	7,900			
506128	\$ 13,125	Hewlett-Packard	Oscilloscope	No objection - 29 September 80
W-1458				

NA  
NA  
NA  
NA



BTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
NA 438961	12,939	Raytheon Company	Electron tubes, machlett tubes, water, jacket, O-ring gaskets	No objection - 8 Jul 40
NA 431600	16,969.99	Varian Corp.	Parts for Varian 620L-100 System	No objection - 16 Jul 40
NA 435260	72,655	Electronic Associates, Inc.	EAI 2000 analog computer	No objection - 10 Jul 40
NA 431935	21,463	Hewlett-Packard	Spectrum analyzer	No objection - 11 Aug 40
NA 433086	210,000	Easton Corp.	Air Traffic control processing and display system, low noise amplifier	No objection - 11 Aug 40
NA 433364	1,125	LI-VI Inc.	Linco Selendle Optical mirrors	No objection - 15 Aug 40
NA 447133	2,017	National Semiconductor Corporation	LM4250	No objection - 25 July 40
NA 447962	2,970	EG&G	550 radiometer system and accessories	No objection - 23 July 40
NA 500691	1,348,437	Apex Int'l	Videotape recorders reproducers	No objection - 25 July 40
NA 505711	129,500	Digital Equip-	1 PDP 11/34 computer system	No objection - 26 Aug 40

*See equipment for listing, and statement in letter Group 3 on 6*

*NA*



*Sample*  
BTR NO.  
505757

VALUE  
\$4,677.00

COMPANY  
Hewlett-Packard

COMMODITY  
Spectrum Analyzer

REMARKS  
Approved - 28 Aug 60



# BTR CASES

	VALUE	COMPANY	COMMODITY	REMARKS
NA 431743 AM.	\$ 381,715	II-VI Inc.	Cylindrical grinder, wafer edge grinder, silicon wafer grinder	No objection 24 September AM
NA 441962	\$ 36,000	WEAM United Incorporated	DEC PDP 11/04 computers w/28K of core memory	No objection 8 September AM
NA 431743 AM.	\$ 220,339.10	Canberra Industries	Amended to include teletype, print head, Fortran programming language to Fortran IV	No objection 13 August AM
NA 503292	\$ 1,306	RCA	VET 250 cassette video recorder	No objection 31 July AM
NA 504691	\$ 1,950.00	Eastman Kodak Co.	Film	No objection 8 September
NA 423553	\$ 11,790.00	Solartron,	CPU, LSI, Floppy Disc, decoder, diskettes	No objection 10 September AM
NA 447132	\$ 1,217.00	National Semiconductor Corporation	Transistors	
NA 444790 AM.	\$ 20,000.00	Control Data Corporation	Spare parts for CDC Cyber 18-20 computer system	Defer to AM 8 September AM



BTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
NA 506153	\$ 2,387.00	Analog Devices Inc.	Converters	
NA 507340	\$ 734.00	Eastman Kodak Co.	High Definition Aerial film	Deny - 2 Oct 60



ATR NO.  
505711

VALUE

\$ 129,500

COMPANY

Digital Equipment Corp.

COMMODITY

1 PDP 11/34 computer system with associated spares, supplies, and software

REMARKS

No objection - 26 Aug 80

504701

\$ 3,056.07

Laser Precision Corporation

COMMODITY

Energy ratlometer, probe

REMARKS

No objection - 27 Aug 80



## COMPUTER MEMOS

BTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
401050 CM 2188 <i>NA</i>	\$ 4,215	Texas Instruments	Demo of portable terminal incorporating bubble memory device	Denial - 7 Jan 80
398070 270891 389819 (USSR) CM 2221 <i>NA</i>	\$ 10,890 28,098 54,812	Morland Corp.	Morland Model 3001 processing digital oscilloscopes	No objection - 28 Jan 80
398937 CM 2257 <i>NA</i>	\$ 245,810	Digital Equipment Corporation	DEC PDP 11/34 computer w/RK07 disc drives	No objection providing software is minimum required to support conf use - 14 Jan 80
403594 CM 2263 <i>NA</i>	\$ 700,000	Grant Geophysical Corporation	Seismic data processing system with array transform processor	No objection - concurred with DOC - 21 Feb 80
406396 410648 CM 2304 <i>NA</i>	\$ 54,000 20,000	Mohawk Data Sciences Corp.	2 MDS 21/50 multiple application processing systems	No objection - 10 Mar 80
411820 CM 2307 <i>NA</i>	\$ 56,835	Hewlett-Packard	HP1000 Model 30 computer for use in a C-100 planicomplotting system	No objection - 10 Mar 80
420216 CM 2321 <i>NA</i>	\$ 54,000	IBM World Trade Corp.	Service (Customer) engineering education on IBM Series 1 Computer Systems (Tech Data)	No objection - 22 Feb 80



BTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
420217 CM 2327 VA	\$ 63,600	IBM World Trade Corp.	Customer Engineering Education on IBM 4331 Computer System (Tech Data)	No objection provided it understood this will not prejudice US position on hardware - 11 Apr 80
993645 CM 2343 VA	\$ 77,570	Sackman Assoc.	Model 4047A disc drive, printer and accessories for use with PRC computer	No objection provided tech data is limited to standard operation and maintenance info 22 Apr 80
419923 CM 2345 VA	\$ 11,600,000	Aluminum Co. of America	3 DEC PDP 11/34 computer systems	No objection - 22 Apr 80
421514 CM 8357 VA	\$ 13,318	Colorado Video Inc.	Digital image processing equipment	No objection - 5 Jun 80
37328 CM 2358 VA	\$ 110,762	Burroughs Corp.	Burroughs B92 Computer Sys.com	No objection - 14 May 80
366453- 368487 368468 CM 2363 VA	\$ 45,600 15,200 45,600	MANG Labs	Enhancement of computer systems with MANG 2265V disc drives	No objection - 25 Jun 80
429821 CM 2368 VA	\$ 379,500	ASZA AB Sweden	Reexport from Sweden - 3 ModComp computer systems for use in Electric Power Distribution	No objection - 1 Jul 80



STN NO.	VALUE	COMPANY	COMMODITY	REMARKS
413255 WA CM 2355	\$ 445,544	WANG Labs	Demo of WANG Computer Equipment	No objection - 14 May 80
413256 WA CM 2355	\$ 123,739	Electronic Associates Inc.	EAI 2000 Analog/Hybrid Computer System	No objection - 3 Jul 80
413257 WA CM 2359	\$ 99,303	Pertin-Elmer	Enhancement of DJS-184 computer (PRC Origin) with tape units	No objection - 29 Aug 80

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COMPUTER MEMOS

CTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
388139 (PRC) 390788 (PRC) 420467 (PRC) 417304 (Hungary) CM 2341	\$ 132,620 132,620 262,748	Dunegon Endevco	Computerized Source Location System (Acoustic Emission Monitoring System)	No objection - 19 September 80
419601 CM 2367	\$ 1,363,813	IBM World Trade	One IBM 4331 and 2 IBM Series computers	
438289 CM 2390	\$ 10,300	Chow Yang Co. El Cerrito, CA	Microcomputer parts and accessories	
434442 CM 2393	\$ 3,800,000	Heath Company Int'l Division	2000 sets of HP89 digital computer w/HP 89/H-8-21 disk drive operating systems with microsoft basic	No objection - 10 September 80
501007 CM 2395	\$ 105,400	Sackman Assoc.	Parts and components for Nova 4/X Computer used in testing construction material	Requested until info 25 July 80
993909 CM 2414	\$ 1,100,000	Canadian Embassy	Reexport from Canada - Computer System for Processing Geological data	No objection - 17 September 80
432394 CM 2341	\$ 260,000	Digital Equipment Corp.	Export of PDP 11/34 computer	



SPR NO.	VALUE	COMPANY	COMMODITY	REMARKS
UA 434879 CM 2435	\$ 7,368	Argonne Labs	Computer and related equipment for Institute for High Energy Physics	No objection - 12 September 80
UA 503795 CM 2421	\$ 70,585	Kennedy Co.	Model 9300 tape drives, 9218 formatters to enhance Command 111 A computer system	No objection - with conditions - 18 August 80
UA 434879 CM 2445	\$ 105,591	Texas Instruments	Computer System	No objection - 23 September 80
UA 435840 CM 2448	\$ 162,050	Wang Labs	Wang Computer with High EATR	Concur with Commerce 23 September 80
UA 440082 CM 2460	\$ 85,000	Digital Equipment Corp.	PDP 11/04 systems with RL11 RLO1 disc controller drive	No objection - with conditions - 8 October 80
UA 442638 CM 2464	\$ 300,000	Digital Equipment Corp.	PDP 11/34 16 bit CPU with 2.1 Mbits semiconductor memory	
UA 445616 CM 2466	\$ 160,000	Systems Tech. Int'l Inc.	DEC PDP 11/34 CPU with RLO2 and CAMAC Interface	
UA 501906 CM 2417	\$ 149,238	ICA	2 MOVA 4/x Computer systems	No objection - 23 September 80



BTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
503733 CM 2441	\$ 9,680	Taching Import	Proposed dental of IL 1529 equipment	
503796 CM 2462	\$ 276,105.00	Burroughs Corp.	Demo of Burroughs Computer System	
503771 CM 2441	\$ 8,153.79	Geospace Corp.	Spare parts for A GS C 1704 atomic digital computer processor	



EQUIPMENT THE PRC HAS EXPRESSED INTEREST IN --  
NO NOTATIONS LICENSE APPLICATIONS SUBMITTED  
(as of 24 Feb 1981)

EQUIPMENT

COMMSEC Gear

QTH Radar

Domestic Communications Satellite

Night Viewing Devices (all types)

TPS-59 Radar

Aircraft Engines and Accessories

Inertial Navigation System (LTM-51)

U.S. COMPANY

Technical Communications Corp.

General Electric

Hughes Aircraft

Venus, Varo, ITT, et al

General Electric

Pratt-Whitney & GE

Littton





RESEARCH AND  
ENGINEERING

~~SECRET~~  
OFFICE OF THE UNDER SECRETARY OF DEFENSE

WASHINGTON, D.C. 20301

6 March 1981

MEMORANDUM FOR ACTING DEPUTY UNDER SECRETARY (INTERNATIONAL PROGRAMS AND TECHNOLOGY)  
DEPUTY ASSISTANT SECRETARY (EAST ASIA & PACIFIC AFFAIRS),  
INTERNATIONAL SECURITY AFFAIRS  
OFFICE OF GENERAL COUNSEL (INTELLIGENCE, INT'L & INVESTIGATIVE PROGRAMS)  
DEFENSE INTELLIGENCE AGENCY (ASS'T VICE DIRECTOR FOR SCIENTIFIC & TECH INTELLIGENCE)  
DIRECTOR FOR FAR/MIDDLE EAST/S HEMISPHERE AFFAIRS (DCSD/IPAT)  
ORGANIZATION JOINT CHIEFS OF STAFF (J5 - FAR EAST/SOUTH ASIA DIV)  
DEPARTMENT OF THE NAVY (OP-42)  
DEPARTMENT OF THE AIR FORCE (CVAIF)  
EXECUTIVE OFFICER, OUSDPA

SUBJECT: PRC MIG-21 Engine Overhaul-Coating Request (C)

(U) On 2 March 1981 (15:25-15:31) I received a phone call from Mr. Lennox K. Black, President of Teleflex, Inc. (parent company of Sermetal, Inc.). Mr. Black stated that the Chinese (PRC) had told him that the Chromalloy American Corporation had recently received approval from the USC to coat three Chinese MIG-21 aircraft engines with their special ceramic-metallic oxide coatings, and that once coated, the engines were to be returned to the PRC for Chinese test and evaluation.

(U) Mr. Black further indicated that the Chinese would like for his company to likewise coat seven other MIG-21 engines using the Sermetal-J process. Sermetal would, like Chromalloy, also return the engines back to China for their test and evaluation. He asked if the Chinese statement was true; and if so, would his company receive the same treatment? I remarked that I would look into the situation and that all companies would be treated the same.

(U) LtC B. A. Meiser, Director, Munitions Control Staff of my Office, reviewed all DoD cases for the PRC and also contacted the Office of Munitions Control (OMC) at State to see if they had either received or approved any such license for the PRC. Neither OUSDPA nor OMC files revealed any such license application or resultant approval. Mr. W. Robinson, Director of OMC, did indicate to LtC Meiser, however, that he had heard there might be such an application forthcoming shortly. Under the present guidelines as noted in Newsletter 81 and subsequent interpretations thereof, license applications of this type cannot be approved. Mr. Robinson further stated that he would either disapprove or return without action (RWA) all such applications.

(U) At my request, Mr. Robinson indicated he would not disapprove or RWA such license applications until we had the opportunity to discuss them in detail. He was also asked to immediately inform us and his superiors whenever the Chinese, Chromalloy or Sermetal/Teleflex do submit applications for this purpose.

CLASSIFIED BY: DUSD(IPT)  
DECLASSIFY ON: 6 Mar 1987

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DECLASSIFIED BY AUTHORITY OF  
OSD

21 MAY 98 93-F-2441  
DATE



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(C) The primary rationale for requesting GIC/State to delay immediate adverse action on these licenses is because of the potential opportunities they provide the new administration. If approved, they would allow the U.S. to cautiously move into a moderate but closer defense relationship with the Chinese; and it would provide the type of technical assistance they have repeatedly emphasized they need with respect to their interceptor aircraft.

(U) Approval in this instance is obviously a major policy decision, and not simply an operational or technical one, even though the number of engines involved is small and the objective is simply to coat the engines, not transfer the technology. For your information, U.S. companies have set up similar coating facilities in both Western European and East Asian (e.g., Japan and Malaysia) countries, and could be approached by the Chinese to perform the same service.

(S) There are, of course, other potential benefits to the U.S., not the least of which would be the excellent opportunity to exploit the Chinese engines for technical intelligence purposes. If considered appropriate, arrangements could probably be made for the U.S. to assist the Chinese in a joint test and evaluation program. This would be extremely helpful to us if proper test controls and conditions were followed and we had access to all of the test results.

(C) An advantage to approving this type of license application is the fact that only the result (or product) of U.S. technology would be exported. Neither the production know-how nor a process-line type of capability would be exported. Of itself, it potentially opens up for consideration other U.S. services which might be made available to help the Chinese improve their overall tactical posture. At the same time, however, this approach would have the PRC dependent upon the U.S. for future services, unless of course, later USC decisions permitted the technology and process equipment to be exported. Providing only services has other advantages as well. It is, for example, much less dramatic and provocative vis-a-vis the USSR, and is consonant with the step-by-step approach to improving US-PRC relations agreed to during earlier meetings with the Chinese. It would most likely require consultations with our COMCOM allies, however, as well as a revision of existing guidelines.

(C) The potential disadvantages of approval are those associated with any closer defense relationship with the Chinese. In addition, the Chinese could convey the results of their tests and evaluations to the USSR. The net benefits to China of their doing so are less obvious, however.

(U) This does appear to be one of the more unique opportunities available to move towards a closer US-PRC relationship. It would also start things moving again vis-a-vis the PRC. It appears to have very limited risks for our own security, and does have other side benefits. It must be a conscious move on our part, however, and should be taken only after the relative risks and benefits have been evaluated by OSD, OJCS and the Services.

(U) Your comments and guidance on what action to take regarding the above-mentioned cases, are requested.

*Francis B. Kapper*  
Francis B. Kapper, Director  
Military Technology Center

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RESEARCH AND  
ENGINEERING

THE UNDER SECRETARY OF DEFENSE

WASHINGTON, D.C. 20301

24 FEB 1981

MEMORANDUM FOR THE SPECIAL ASSISTANT TO THE SECRETARY AND DEPUTY SECRETARY  
OF DEFENSE

SUBJECT: Status Report on PRC Munitions and Commodity Export Cases

As requested, please find attached the following items by tab:

TAB A - PRC munitions cases referred to DoD from 1 January 1980 to  
~~20 January~~ 1981 by the Department of State  
3 March

TAB B - PRC Commodity Control export cases referred to DoD by the Department  
of Commerce from 1 January to 9 October 1980

TAB C - Military equipment the PRC has expressed strong interest in but for  
which no munitions license applications have been submitted

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see new TAB A

The updated munitions list (Tab A) should <sup>not</sup> be considered a draft as the Department of State is still in the process of verifying the status of each case and adding new cases to the list which have come in since 21 January 1981. As of 20 January, a total of 102 munitions cases have been referred to DoD by State, and we estimate that approximately 20 additional munitions license applications have been received since President Reagan's inauguration. All of these applications will be shown in our 1 March update. Due to an extremely heavy case load, the Office of Technology Trade has been unable to update the list of dual-use items covered by the Commodity Control List (CCL). Unless directed otherwise, we will ask that a complete list of PRC requests for items on the CCL be sent to the CIA by the Office of Export Administration (OEA) of the Department of Commerce.

It should be realized that without holding detailed discussions with all of the U.S. industry representatives doing business with the PRC, there is no realistic way of knowing precisely everything the Chinese may wish to export from the U.S. Rather than risk outright disapproval by the U.S. Government, the Chinese typically try to get U.S. companies to seek an advisory opinion from the U.S. Government as to whether or not a particular request will be approved prior to making formal application. For your information, of the 102 munitions cases received from State, nine are still open (i.e., pending) and 93 have been closed. Of the 93 closed, 50 were approved, four were disapproved, 31 were withdrawn and eight were Returned Without Action (RWA). Almost all of the 39 cases either withdrawn or RWA would have been disapproved by DoD. The export of the SCOUT Space Launch Vehicle was one such RWA case we would have strongly disapproved of because of its strategic potential as a Chinese ICBM.



The Chinese have expressed very keen interest in a number of military items which are either expressly prohibited by current U.S. policy or are not in the categories of equipment permitted for export by Munitions Newsletter #81. The major examples include their specific requests for anti-tank weapons, over the horizon (OTH) radar and for U.S. assistance in improving their F-8 interceptor aircraft, including fire control and inertial navigation systems, ECM gear, etc. We have also informally learned of a number of PRC inquiries for munitions items which neither the Chinese nor U.S. industry have officially requested permission to export. Examples of these are noted at Tab C.

By way of additional background, Dr. Frank Kapper, Director, Military Technology Sharing, OUSDRE did, with Dr. Dinneen's approval, meet with Mr. Charles Neuhauser, Assistant National Intelligence Officer (NIO) for East Asia (now Acting NIO) on 1 July 1980. The purpose of his meeting was to both give and receive information which would be helpful to the CIA on the one hand and to the USDRE during his September visit to China. Mr. Neuhauser was provided copies of all MFR's which documented the meetings with Mr. Liu Huaqing and Vice Premier Geng Biao. In addition, the CIA was provided the then most recent copies of the list of munitions and dual-use export cases that had been referred to DoD by the Departments of State and Commerce. Mr. Neuhauser was also given copies of all PRC wish lists including the one given to Dr. Dinneen by Mr. Liu on 6 May 1980. Also provided was a copy of the 3 June 1980 "Summary of United States Department of Defense Positions on PRC Requests for Military Support Equipment". This is the a-b-c category list which identifies items we would consider for export (a); items we felt we needed more information on (b) and items we said we would not consider for export (c). Mr. Neuhauser stated he had accompanied Secretary Brown on his January 1980 trip to China and had also been designated as the CIA focal point for all activities relating to China. A copy of Dr. Perry's trip report on his visit to China was also provided to the CIA.

In short, the CIA in the person of Mr. Neuhauser has already been provided extensive background information on what our earlier discussions with the Chinese were and also on those items which the PRC had expressed specific interest in. CIA also has representation on both the Technical Advisory Committees (TACs) and on the Operating Committee (OC). More specifically, Mr. George Schember of CIA is a non-voting member of the Interagency Operating Committee, which is chaired by the Department of Commerce. Mr. Schember serves as the interface for both State and CIA on export license requests for all proscribed countries. As a result of a recent CIA-Commerce agreement, he also has access to any information required by his Agency.

USD

*[Signature]*

*[Signature]*  
Walter B. LaBerge  
Acting